

06/12/01
J.C. 225 U.S. PTOPlease type a plus sign (+) inside this box →

PTO/SB/05 (2/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 1711514

First Inventory or Application Identifier Yasufumi FUKUMA et al.

Title Database Constructing System....

Express Mail Label No. EK288575988US

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

1. *Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Specification [Total Pages 50]

X Descriptive title of the Invention

X Cross References to Related Applications

- Statement Regarding Fed sponsored R & D

- Reference to Microfiche Appendix

X Background of the Invention

X Brief Summary of the Invention

X Brief Description of the Drawings (if filed)

X Detailed Description

X Claim(s) - 27

X Abstract of the Disclosure

3. Drawing(s) (35 U.S.C. 113) [Total Sheets 19]

4. Oath or Declaration [Total Pages 3]

a. Newly executed (original or copy)

b. Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]

i. DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

5. Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a
copy of the oath or declaration is supplied under Box 4b, is
considered to be part of the disclosure of the accompanying
application and is hereby incorporated by reference therein.

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation Divisional Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit: _____

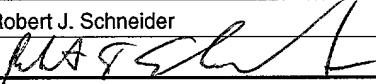
18. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Labelor Correspondence address below

(Insert Customer No. or Attach bar code label here)

24240

Name	ROBERT J. SCHNEIDER				
	CHAPMAN AND CUTLER				
Address	111 W. Monroe Street PATENT TRADEMARK OFFICE				
City	Chicago	State	IL	Zip Code	60603
County	US	Telephone	312-845-3919		Fax 312-701-2361

Name (Print/Type)	Robert J. Schneider	Registration No. (Attorney/Agent)	27,383
Signature		Date	6/12/2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.
These are the fees effective October 1, 1997.

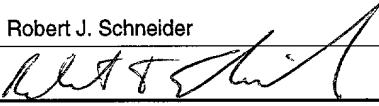
Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT	(\$1436)	Attorney Docket No.	1711514
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METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)			
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:	50-0305	3. ADDITIONAL FEES			

Deposit Account	50-0305	Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit Account Name	CHAPMAN AND CUTLER	105	130	205	65	Surcharge - late filing fee or oath	
		127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
		139	130	139	130	Non-English specification	
		147	2,520	147	2,520	For filing a request for reexamination	
		112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
		113	1,840*	113	1,840*	Requesting publication of SIR prior to Examiner action	
		115	110	215	55	Extension for reply within first month	
		116	400	216	200	Extension for reply within second month	
		117	950	217	475	Extension for reply within third month	
		118	1,510	218	755	Extension for reply within fourth month	
		128	2,060	228	1,030	Extension for reply within fifth month	
		119	310	219	155	Notice of Appeal	
		120	310	220	155	Filing a brief in support of an appeal	
		121	270	221	135	Request for oral hearing	
		138	1,510	138	1,510	Petition to institute a public use proceeding	
		140	110	240	55	Petition to revive - unavoidable	
		141	1,320	241	660	Petition to revive - unintentional	
		142	1,320	242	660	Utility issue fee (or reissue)	
		143	450	243	225	Design issue fee	
		144	670	244	335	Plant issue fee	
		122	130	122	130	Petitions to the Commissioner	
		123	50	123	50	Petitions related to provisional applications	
		126	240	126	240	Submission of Information Disclosure Stmt	
		581	40	581	40	Recording each patent assignment per property (times number of properties)	40
		146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
		149	790	249	395	For each additional invention to be examined (37 CFR 1.29(b))	
		Other fee (specify)					
		Other fee (specify)					

1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:	50-0305	3. ADDITIONAL FEES	Fee Description	Fee Paid
Deposit Account	50-0305	Large Entity Fee Code	Fee (\$)	Small Entity Fee Code
Deposit Account Name	CHAPMAN AND CUTLER	105	130	205
		127	50	227
<input checked="" type="checkbox"/> Charge any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17		139	130	139
		147	2,520	147
2. <input checked="" type="checkbox"/> Payment Enclosed:		112	920*	920*
<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Money Order	113	1,840*	1,840*
FEE CALCULATION				
1. BASIC FILING FEE		115	110	215
Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	55
101	710	201	355	710
106	330	206	165	Design filing fee
107	540	207	270	Plant filing fee
108	790	208	395	Reissue filing fee
114	150	214	75	Provisional filing fee
SUBTOTAL (1)		(\$710)		
2. EXTRA CLAIM FEES		116	400	216
Extra Claims	Fee from below	Fee Paid		200
Total Claims	27	-20** = 7	X 18 = 126	
Independent Claims	10	- 3** = 7	X 80 = 560	
Multiple Dependent			= 0	
**or number previously paid, if greater; For Reissues, see below				
Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	**Reissue dependent claims over original patent
110	22	210	11	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$686)		
* Reduced by Basic Filing Fee Paid				
SUBTOTAL (3)				(\$40)

SUBMITTED BY				Complete (if applicable)
Type or Printed Name	Robert J. Schneider		Reg. Number	27,383
Signature		Date	6/12/01	Deposit Account User ID 50-0305 24240

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EXPRESS MAIL CERTIFICATE

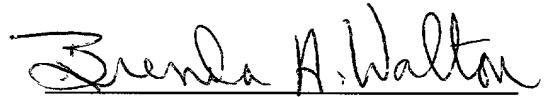
Express Mail Label Number: EK288575988US

Date of Deposit: June 11, 2001

I hereby certify that the attached documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to Box Patent Application, Commissioner for Patents, Washington, D.C. 20231.

Brenda A. Walton

(Typed or printed name of person
mailing paper or fee)



(Signature of person mailing paper
or fee)